

# VDH - LAND APPLICATION OF BIOSOLIDS SITE INSPECTION FORM

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| <b>GENERAL INFORMATION:</b>   |  | DATE: 9/28/2004  |   |
| COUNTY: Charlotte   | CONTRACTOR/MUNICIPALITY: Nutri-Blend, Inc.                         |  |   |
| NAME (OWNER/OPERATOR): Kyanite  |  |  |   |
| INSPECTED BY: Scott Haley (writer)  |  | PERMIT NO: VDH BUR 123                                     |   |
| FIELD NO: T46 – field 7   |  | ACRES: 86 permitted; 60.3 applied                          |   |
| OTHERS PRESENT:   |  |  |   |
| <b>FIELD DATA/OBSERVATIONS:</b>   |  | TIME: 1215   |   |
| WEATHER: rain   |  | SOIL CONDITIONS: saturated                                 |   |
| BIOSOLIDS SOURCE: Middlesex, NJ   |  | BIOSOLIDS TYPE: Lime stabilized                            |   |
| SOIL pH: 5.4  |  | % SOLIDS OF BIOSOLIDS: 32.04                               |   |
| APPLICATION RATE: 8.64 DT/AC (26.9 WT/AC) X 20.26lbs PAN/DT = 175 lbs PAN target rate |  |  |   |
| CROP AND EXPECTED YIELD: Hay  |  |  |   |
| LOAD TO DATE (WT): see monthly report   |  |  |   |
| BIOSOLIDS APPLIED:  | <input type="checkbox"/> LIQUID                                    |  | <input checked="" type="checkbox"/> DEWATERED |
| MODE OF APPLICATION:  | <input type="checkbox"/> SURFACE                                   | <input checked="" type="checkbox"/> SURFACE W/INCORP.      | <input type="checkbox"/> INJECTION            |
| APPLICATION LIMITED BY:   | <input checked="" type="checkbox"/> NITROGEN<br>200 lbs PAN max.   | <input type="checkbox"/> pH                                |   |
|   | <input type="checkbox"/> MAX. HYDRAULIC LOADING (LIQUID BIOSOLIDS) |  |   |
|   | <input type="checkbox"/> MAX. SOLIDS LOADING (15 DRY TONS/ACRE)    |  |   |
|   | <input type="checkbox"/> OTHER (SPECIFY):                          |  |   |
| <b>FIELD OBSERVATIONS</b>   |  |  |   |
|   | BUFFERS OBSERVED:  | <u>YES</u>   | <u>NO</u>                                     |
|   | UNIFORM APPLICATION:   | X  |   |
|   | PROPER FIELD RECORDS:  | X  |   |
|   | SIGNS OF RUNOFF:   |  | X*  |
|   | TRUCKS NON-SPILL/WATERTIGHT: N/A                                   |  |   |
|   | CONDITION OF HAUL ROUTE SATISFACTORY: N/A                          |  |   |
| ODORS PRESENT:  | <input type="checkbox"/> NONE                                      | <input checked="" type="checkbox"/> NORMAL<br>incorporated | <input type="checkbox"/> ABOVE<br>NORMAL*     |
| OVERALL CONDITION OF SITE:  | <input type="checkbox"/> GOOD                                      | <input checked="" type="checkbox"/> FAIR                   | <input type="checkbox"/> POOR                 |

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| <p><b><u>COMMENTS: (*explain):</u></b></p> <p><b>PAN = Plant Available Nitrogen</b></p> | <p>9/23/2004 - Charlie Swanson (VDH) received a voicemail from a resident concerned about land application on a permitted site in Charlotte County. He responded and informed the resident that Mr. Scott Haley would inspect the site. Mr. Swanson contacted Mr. Haley on 9/24/04 and Mr. Haley called the resident to arrange a visit.</p> <p>9/28/2004 - Mr. Haley inspected the site. According to Nutri-Blend, Inc., land application had occurred on 9/21, 22 &amp; 24/ 04. Biosolids had been incorporated and the site was disced, except for the rear of the field where land clearing and stump removal had recently occurred. Land application appeared to have been performed in accordance with the required buffers specified in the biosolids use regulations.</p> <p>After inspecting the site Mr. Haley spoke with the resident who was informed of the inspection findings, but expressed a desire to have their well tested, along with neighbor's wells and also surface water in the nearby stream (Rattlesnake Branch). The resident expressed opposition to any biosolids application. Mr. Haley explained that the local monitor could take well water samples, but surface water samples would not verify pollution from land application (*). The resident's well appeared to be of fairly recent construction (top casing PVC). The land application site is located on another ridge to the northeast of the resident's property, over ½ mile from their residence and well.</p> <p>(*)Sediment runoff from the discing of the field (followed by subsequent rainfall) could impact the (intermittent) upper sections of Rattlesnake Branch; however, all required land application buffers from surface waters were adhered to by the land applier. There was no evidence of any loss of biosolids from the site.</p> |
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Nutri-Blend, Inc.  
Piedmont Health District - Dr. Mark Levine